

ABSTRACT OF THE DISCLOSURE

The invention concerns the field of microbiological security stations for manipulating microscopic samples under visual control. More particularly, the invention concerns 5 microbiological security stations adapted to the handling of biological organisms, and particularly for *in vitro* fertilization, without being exclusive to that particular field of application. The inventive microbiological security station is essentially characterised in that there is 10 incorporated in the body of the station an optical system enabling to observe a sample placed in the chamber, so as to clear to a maximum the workspace, but also so as to make it possible to clean rapidly and completely the internal volume of the chamber.